

GenCore version 5.1.6
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OM protein - protein search, using sw model
Run on: September 16, 2003, 09:30:15 ; Search time 23.6812 Seconds
(without alignments)
716.766 Million cell updates/sec

Title: US-09-806-382a-4
Perfect score: 613
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Scoring table: BLOSUM62
Gapop 10.0 , Capext 0.5

Searched: 556269 seqs, 14893369 residues
Total number of hits satisfying chosen parameters: 556269

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
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5	351	57.3	64	9	US-09-864-761-40349
6	329.5	53.8	113	15	US-10-134-841-3
7	229	37.4	44	9	US-09-864-761-41096
8	206.5	33.7	90	10	US-09-826-589-3
9	206.5	33.7	90	10	US-09-826-589-4
10	206.5	33.7	90	10	US-09-872-185B-11
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12	177.5	29.0	92	11	US-09-492-026-5
13	177.5	29.0	92	11	US-09-919-039-184
14	165.5	27.0	95	10	US-09-919-172-102
15	165.5	27.0	95	10	US-09-981-353-98

16	160.5	26.2	94	15	US-10-097-340-270	Sequence 270, App
17	153.5	25.0	91	15	US-10-106-698-6907	Sequence 6907, App
18	153.5	25.0	97	15	US-10-097-340-274	Sequence 274, App
19	153.5	25.0	97	15	US-10-171-311-206	Sequence 206, App
20	150.5	24.6	101	9	US-09-393-433-1	Sequence 1, Appli
21	150.5	24.6	101	9	US-09-781-509-1	Sequence 1, Appli
22	150.5	24.6	101	14	US-10-067-618-2	Sequence 2, Appli
23	150.5	24.6	101	14	US-10-135-152-2	Sequence 2, Appli
24	150.5	24.6	101	15	US-10-289-843-1	Sequence 1, Appli
25	149.5	24.4	105	11	US-09-492-026-6	Sequence 6, Appli
26	149.5	24.4	105	12	US-10-301-822-177	Sequence 177, App
27	149.5	24.4	105	15	US-10-097-340-272	Sequence 272, App
28	149.5	24.4	134	9	US-09-925-302-694	Sequence 694, App
29	149	24.3	101	9	US-09-393-433-2	Sequence 2, Appli
30	149	24.3	101	9	US-09-781-509-2	Sequence 2, Appli
31	149	24.3	101	15	US-10-289-843-2	Sequence 2, Appli
32	146.5	23.9	89	15	US-10-134-841-1	Sequence 1, Appli
33	141.5	23.1	89	12	US-10-316-253-46	Sequence 46, Appl
34	138	22.5	46	9	US-09-864-761-41579	Sequence 41579, A
35	138	22.5	98	11	US-09-492-026-3	Sequence 3, Appli
36	136	22.2	105	15	US-10-106-698-4570	Sequence 4570, App
37	134	21.9	90	10	US-09-738-373-200	Sequence 200, App
38	134	21.9	90	10	US-09-974-298-20	Sequence 20, Appl
39	134	21.9	90	10	US-09-854-133-200	Sequence 200, App
40	134	21.9	90	15	US-10-097-340-276	Sequence 276, App
41	134	21.9	90	15	US-10-144-649A-200	Sequence 200, App
42	133.5	21.8	93	15	US-10-134-841-2	Sequence 2, Appli
43	131.5	21.5	84	12	US-09-849-138-34	Sequence 34, Appl
44	131	21.4	103	12	US-10-239-663-50	Sequence 50, Appl
45	128	20.9	97	11	US-09-877-843-28	Sequence 28, Appl

ALIGNMENTS

RESULT 1
US-10-308-279-32
; Sequence 32, Application US/10308279
; Publication No. US20030170742A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE DEVELOPMI
; FILE REFERENCE: D0190 NP
; CURRENT APPLICATION NUMBER: US/10/308,279
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: 60/337,429
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 32
; LENGTH: 114
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-308-279-32

Query Match	100.0%	Score 613;	DB 12;	Length 114;
Best Local Similarity	100.0%	Pred. No. 5.4e-57;		
Matches 114;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MTCKMSQLERNIEITINTFHQYSVKLGHPDPTLNQGEFKELVRKDLQNFLLKKNKNEKVE	60	
Db	1	MTCKMSQLERNIEITINTFHQYSVKLGHPDPTLNQGEFKELVRKDLQNFLLKKNKNEKVE	60	
QY	61	HIMEDLDNADKQLSPFEETIMLMARLTWASHEKHHEGDEPGHHKPGLGCTP	114	
Db	61	HIMEDLDNADKQLSPFEETIMLMARLTWASHEKHHEGDEPGHHKPGLGCTP	114	
RESULT 2				
US-10-134-841-4				
; Sequence 4, Application US/10134841				
; Publication No. US20030003482A1				

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; GENERAL INFORMATION:
; APPLICANT: HALLE, JORN-PETER
; APPLICANT: GOPPELT, ANDREAS
; TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its
; TITLE OF INVENTION: individual components in combination, for treating and/or
; TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing
; TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14
; TITLE OF INVENTION: heterodimers
; FILE REFERENCE: 50125/031002
; CURRENT APPLICATION NUMBER: US/10/134,841
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/322,925
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: DE 10121254.2
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-134-841-4

Query Match 100.0%; Score 613; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.4e-57;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 HIMEDLTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 114
Db 61 HIMEDLTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 114

RESULT 3
US-10-205-219-161
; Sequence 161, Application US/10205219
; Publication No. US20030138803A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pincock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018200
; CURRENT APPLICATION NUMBER: US/10/205,219
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 161
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Intracellular calcium binding protein
; US-10-205-219-161

Query Match 56.0%; Score 355.5; DB 12; Length 112;
Best Local Similarity 64.5%; Pred. No. 6.4e-30;
Matches 69; Conservative 13; Mismatches 24; Indels 1; Gaps 1;

QY 6 SOLERNETIINTFHQYSVKLGHPDTLNQGFELVKDLQNFLLKKNKVKIEHIMED 65
Db 7 SOLERSISTINTFHQYSRKYGHPTLNKAFFKEMYNKOLPNFLKREYNENILRDIMED 66

QY 66 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 112
Db 67 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 112

; GENERAL INFORMATION:
; APPLICANT: HALLE, JORN-PETER
; APPLICANT: GOPPELT, ANDREAS
; TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its
; TITLE OF INVENTION: individual components in combination, for treating and/or
; TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing
; TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14
; TITLE OF INVENTION: heterodimers
; FILE REFERENCE: 50125/031002
; CURRENT APPLICATION NUMBER: US/10/134,841
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/322,925
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: DE 10121254.2
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-134-841-4

Query Match 100.0%; Score 613; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.4e-57;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTCMSQLERNETIINTFHQYSVKLGHPDTLNQGFELVKDLQNFLLKKNKVKIE 60
Db 1 MTCMSQLERNETIINTFHQYSVKLGHPDTLNQGFELVKDLQNFLLKKNKVKIE 60

QY 61 HIMEDLTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 114
Db 61 HIMEDLTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 114

RESULT 4
US-09-492-026-7
; Sequence 7, Application US/09492026A
; Publication No. US20030096337A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN S100 PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/492,026A
; FILING DATE: 26-Jan-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Colette C. Moenzen
; REGISTRATION NUMBER: 39,784
; REFERENCE/DOCKET NUMBER: PF-0373 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0855
; TELEFAX: 650-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 488157
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
; US-09-492-026-7

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Best Local Similarity 64.5%; Pred. No. 6.4e-30;
Matches 69; Conservative 13; Mismatches 24; Indels 1; Gaps 1;

QY 6 SOLERNETIINTFHQYSVKLGHPDTLNQGFELVKDLQNFLLKKNKVKIEHIMED 65
Db 7 SOLERSISTINTFHQYSRKYGHPTLNKAFFKEMYNKOLPNFLKREYNENILRDIMED 66

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; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; US-09-864-761-40349
; Sequence 40349, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
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RESULT 4

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US-09-492-026-7
; Sequence 7, Application US/09492026A
; Publication No. US20030096337A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN S100 PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/492,026A
; FILING DATE: 26-Jan-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Colette C. Moenzen
; REGISTRATION NUMBER: 39,784
; REFERENCE/DOCKET NUMBER: PF-0373 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0855
; TELEFAX: 650-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 488157
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
; US-09-492-026-7

Query Match 58.0%; Score 355.5; DB 11; Length 113;
Best Local Similarity 64.5%; Pred. No. 6.4e-30;
Matches 69; Conservative 13; Mismatches 24; Indels 1; Gaps 1;

QY 6 SOLERNETIINTFHQYSVKLGHPDTLNQGFELVKDLQNFLLKKNKVKIEHIMED 65
Db 7 SOLERSISTINTFHQYSRKYGHPTLNKAFFKEMYNKOLPNFLKREYNENILRDIMED 66

QY 66 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 112
Db 67 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 112

; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; US-09-864-761-40349
; Sequence 40349, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
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RESULT 5

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US-09-864-761-40349
; Sequence 40349, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
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; CURRENT APPLICATION NUMBER: US/09/919,172
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/222,469
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PERL Program
; SEQ ID NO 102
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020119463A1 1422432CD1
US-09-919-172-102

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Best Local Similarity 38.6%; Pred. No. 5e-10;
Matches 34; Conservative 21; Mismatches 32; Indels 1; Gaps 1;

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Db      1 MTELETAMGMIDVFSRYSGSGSTQTLTKGELKVLMEKELPGFL-QSGKDKDAVDKLLK 59

QY      65 DLDTNADKQLSFEFIMLMARLTWASHE 92
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US-09-981-353-98
; Sequence 98, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 98
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1422432CD1
US-09-981-353-98

Query Match      27.0%; Score 165.5; DB 10; Length 95;
Best Local Similarity 38.6%; Pred. No. 5e-10;
Matches 34; Conservative 21; Mismatches 32; Indels 1; Gaps 1;

QY      5 MSQLEARNIEIITFHQYSVKLGHDPDTLNQGEFKELVRKDLQNFLLKKNKNEKVIHIME 64
Db      1 MTELETAMGMIDVFSRYSGSGSTQTLTKGELKVLMEKELPGFL-QSGKDKDAVDKLLK 59

QY      65 DLDTNADKQLSFEFIMLMARLTWASHE 92
Db      60 DLDANGDAQVDFSEFIVFAAITSACK 87

Search completed: September 16, 2003, 09:45:33
Job time : 23.6812 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 16, 2003, 09:16:03 ; Search time 15.971 seconds
(without alignments)
302.012 Million cell updates/sec

Title: US-09-806-382a-4

Perfect score: 613

Sequence: 1 NTKMSQLERNIETIINTFH.....HEGDEGPHKHPGLGEGTP 114

Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 328717

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	613	100.0	114	1	US-08-385-241-3
2	577	94.1	109	1	US-07-987-272A-8
3	355.5	58.0	113	2	US-08-918-727-7
4	355.5	58.0	113	3	US-09-205-680A-7
5	351	57.3	64	1	US-08-200-016-6
6	262	42.7	50	1	US-08-200-016-5
7	214.5	35.0	92	2	US-08-568-310D-20
8	214.5	35.0	92	4	US-09-270-455-20
9	213.5	34.8	91	3	US-08-794-000-2
10	211.5	34.5	92	2	US-08-568-310D-19
11	211.5	34.5	92	4	US-09-270-455-19
12	206.5	33.7	90	4	US-09-263-312-3
13	177.5	29.0	92	2	US-08-918-727-5
14	177.5	29.0	92	3	US-09-205-680A-5
15	173.5	28.3	92	2	US-09-051-589-1
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20	150.5	24.6	101	2	US-08-468-946-2
21	150.5	24.6	101	2	US-08-468-942-2
22	149.5	24.4	105	2	US-08-918-727-6
23	149.5	24.4	105	3	US-09-205-680A-6
24	146.5	23.9	88	1	US-07-987-272A-1
25	146.5	23.9	89	1	US-07-987-272A-14
26	138	22.5	98	2	US-08-918-727-3
27	138	22.5	98	3	US-09-205-680A-3

28	138	22.5	98	3	US-09-048-889-11	Sequence 11, Appl
29	137	22.3	26	2	US-08-480-190-144	Sequence 144, App
30	137	22.3	26	2	US-08-488-378-144	Sequence 144, App
31	137	22.3	26	4	US-08-475-399A-144	Sequence 144, App
32	137	22.3	26	5	PCT-US93-07545-144	Sequence 144, App
33	134	21.9	90	4	US-09-370-838-200	Sequence 200, App
34	133.5	21.8	93	1	US-07-987-272A-7	Sequence 7, Appl
35	133.5	21.8	93	1	US-07-987-272A-16	Sequence 16, Appl
36	133.5	21.8	93	1	US-08-385-241-1	Sequence 1, Appl
37	131.5	21.5	89	1	US-07-987-272A-10	Sequence 10, Appl
38	128	20.9	24	2	US-08-480-190-145	Sequence 145, App
39	128	20.9	24	2	US-08-488-379-145	Sequence 145, App
40	128	20.9	24	4	US-08-475-399A-145	Sequence 145, App
41	128	20.9	24	5	PCT-US93-07545-145	Sequence 145, App
42	126.5	20.6	76	1	US-07-987-272A-17	Sequence 17, Appl
43	126	20.6	51	2	US-08-568-310D-2	Sequence 2, Appl
44	126	20.6	51	4	US-09-270-455-2	Sequence 2, Appl
45	123	20.1	95	1	US-07-987-272A-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-08-385-241-3
; Sequence 3, Application US/08385241
; Patent No. 5776348
; GENERAL INFORMATION:
; APPLICANT: Selengut Ph.D., Jeremy D.
; APPLICANT: Orme-Johnson Ph.D., William H.
; APPLICANT: Dretler M.D., Stephen P.
; APPLICANT: Asakura M.D., Hirotsuka
; TITLE OF INVENTION: SYSTEM AND METHOD FOR INHIBITING
; FORMATION OF CRYSTALLINE STRUCTURES THAT INCLUDE STRUTIVE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Choate, Hall & Stewart
; STREET: 53 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2891
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/385,241
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Herschbach Ph.D., Brenda M.
; REGISTRATION NUMBER: P-39,223
; REFERENCE/DOCKET NUMBER: 492611-000 (MT6915)
; TELEPHONE: (617) 248-5175
; TELEFAX: (617) 248-4000
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 114 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: hMRP-14 protein
; US-08-385-241-3

Query Match 100.0%; Score 613; DB 1; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.1e-59;

Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCKMSQLERIEITINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLLKKNKXVIE 60
 Db 1 MCKMSQLERIEITINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLLKKNKXVIE 60
 QY 61 HMEDELNDKQLSFEFTMLMARIWASHEKMHGDEGPGHHKPGIGGCTP 114
 Db 61 HMEDELNDKQLSFEFTMLMARIWASHEKMHGDEGPGHHKPGIGGCTP 114

RESULT 2

US-07-987-272A-8
 ; Sequence 8, Application US/07987272A
 ; Patent No. 5731166
 ; GENERAL INFORMATION:
 ; APPLICANT: Geczy, C., Simpson, R. J. and Lackmann, M
 ; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cushman Dardy & Cushman
 ; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
 ; CITY: Washington
 ; STATE: D. C.
 ; COUNTRY: USA
 ; ZIP: 20005-3918
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07987,272A
 ; FILING DATE: 05-MAR-1993
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: AU PK 2127
 ; FILING DATE: 05-FEB-1990
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: AU PK 4463
 ; FILING DATE: 05-SEP-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brinkman, David W
 ; REGISTRATION NUMBER: 20,817
 ; REFERENCE/DOCKET NUMBER: DMB/1925/200259
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-861 3000
 ; TELEFAX: 202-822 0944
 ; TELEX: 6714627 CUSH
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 109 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

Query Match 94.1%; Score 577; DB 1; Length 109;
 Best Local Similarity 99.1%; Pred. No. 1.6e-55;
 Matches 108; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 SGLERNETITNTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLLKKNKXVIEHIMED 65
 Db 1 SGLERNETITNTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLLKKNKXVIEHIMED 60
 QY 66 LDTNADKQLSFEFTMLMARIWASHEKMHGDEGPGHHKPGIGGCTP 114
 Db 61 LDTNADKQLSFEFTMLMARIWASHEKMHGDEGPGHHKPGIGGCTP 109

RESULT 3

US-08-918-727-7

; Sequence 7, Application US/08918727
 ; Patent No. 5849528
 ; GENERAL INFORMATION:
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Shah, Purvi
 ; TITLE OF INVENTION: HUMAN S100 PROTEINS
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/918,727
 ; FILING DATE: Herewith
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J.
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PR-0373 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-855-0555
 ; TELEFAX: 650-845-4166
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 113 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: GenBank
 ; CLONE: 488157
 ; US-08-918-727-7
 ; Query Match 58.0%; Score 355.5; DB 2; Length 113;
 ; Best Local Similarity 64.5%; Pred. No. 2.1e-31;
 ; Matches 69; Conservative 13; Mismatches 24; Indels 1; Gaps 1;
 ; QY 6 SGLERNETITNTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLLKKNKXVIEHIMED 65
 ; Db 7 SGLERSITITNTFHQYSRKYGHPTLNKAEFKEMVNDLPNFKRKNENLIRIMED 66
 ; QY 66 LDTNADKQLSFEFTMLMARIWASHEKMHGDEGPGHHKPGIGGCTP 112
 ; Db 67 LDTNADKQLSFEFTMLMARIWASHEKMHGDEGPGHHKPGIGGCTP 112
 ; RESULT 4
 ; US-09-205-680A-7
 ; Sequence 7, Application US/09205680A
 ; Patent No. 6103497
 ; GENERAL INFORMATION:
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Shah, Purvi
 ; TITLE OF INVENTION: HUMAN S100 PROTEINS
 ; NUMBER OF SEQUENCES: 9

RESULT 6
US-08-200-016-5
; Sequence 5, Application US/08200016
; Patent No. 5614397
; GENERAL INFORMATION:

APPLICANT: Weissman, Eric
TITLE OF INVENTION: METHOD AND COMPOSITIONS FOR MODULATING
TITLE OF INVENTION: APOPTOSIS IN HEMATOLYMPHOID CELLS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESS: Fish & Richardson
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: California
COUNTRY: US
ZIP: 94025

```

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/200.016
FILING DATE: 22-FEB-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Rae-Venter, Barbara
REGISTRATION NUMBER: 32,750
REFERENCE/DOCKET NUMBER: 06037/003001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 854-5277
TELEFAX: (415) 854-0875
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

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Query Match 42.7%; Score 262; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 1.1e-21;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTCKMSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 50
DB 1 MTCKMSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 50

RESULT 7
US-08-568-310D-20
; Sequence 20, Application US/08568310D
; Patent No. 5976832
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; CITY: 6th FLOOR
; STATE: NEW YORK CITY
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: 7-70468 and 7-45564 (both Japan)
; FILING DATE: 3/6/95 and 3/6/95, respectively
; ATTORNEY/AGENT INFORMATION:
; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 20:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 20:
; RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92
US-08-568-310D-20

Query Match 35.0%; Score 214.5; DB 2; Length 92;
Best Local Similarity 46.7%; Pred. No. 3.5e-16;
Matches 43; Conservative 22; Mismatches 26; Indels 1; Gaps 1;

QY 5 MSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 64
DB 1 MTCKMSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 64
QY 65 DLDITNADKQLSFEEFIMLMARLTWASHEKHEE 96
DB 60 GLDANQDEQVDFEFISLVAIALKAARHYTHK 91

Query Match 35.0%; Score 214.5; DB 4; Length 92;
Best Local Similarity 46.7%; Pred. No. 3.5e-16;
Matches 43; Conservative 22; Mismatches 26; Indels 1; Gaps 1;

QY 5 MSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 64
DB 1 MTCKMSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 64
QY 65 DLDITNADKQLSFEEFIMLMARLTWASHEKHEE 96
DB 60 GLDANQDEQVDFEFISLVAIALKAARHYTHK 91
```

```
RESULT 8
US-09-270-455-20
; Sequence 20, Application US/09270455
; Patent No. 6313267
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; CITY: 6th FLOOR
; STATE: NEW YORK CITY
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/270.455
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/568,310
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 20:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 20:
; RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92
US-09-270-455-20

Query Match 35.0%; Score 214.5; DB 4; Length 92;
Best Local Similarity 46.7%; Pred. No. 3.5e-16;
Matches 43; Conservative 22; Mismatches 26; Indels 1; Gaps 1;

QY 5 MSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 64
DB 1 MTCKMSQLERNIEITITFHQYSVKLGHPDITLNGEFKELVRKDLQNLFLK 64
QY 65 DLDITNADKQLSFEEFIMLMARLTWASHEKHEE 96
DB 60 GLDANQDEQVDFEFISLVAIALKAARHYTHK 91

RESULT 9
US-08-794-000-2
; Sequence 2, Application US/08794000
; Patent No. 6087123
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Metal-Containing Ribonucleotide Polypeptides
; NUMBER OF SEQUENCES: 4
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,000
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PC/DE96/01337
; FILING DATE: 17-JUL-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 195 25 992.0
; FILING DATE: 17-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 195 30 500.0
; FILING DATE: 18-AUG-1995
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 91 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; MOLECULE TYPE: Peptide
; US-08-794-000-2

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Query Match 34.8%; Score 213.5; DB 3; Length 91;
Best Local Similarity 45.1%; Pred. No. 4.5e-16;
Matches 41; Conservative 25; Mismatches 24; Indels 1; Gaps 1;

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QY 6 SOLENIETITNFHOYSVKLGHPDPLNQGEKELVKKDLQNLKKNKNEKVIHME 65
DB 1 TKLEHLEGIINIFHOYSVRLGHYDLFLIKRELKQLITKELFNTL-KNTXQDGTIDKIFQ 59
QY 66 LDYNADKQLSFEFIMLMARLTWASHEKME 96
DB 60 LDANQDEQVSKEFVLTVDLTVAHDNIHK 90

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RESULT 10
US-08-568-310D-19
; Sequence 19, Application US/08568310D
; Patent No. 5976832
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT,GERBER,MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; STREET: 6th FLOOR
; CITY: NEW YORK CITY
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 Kb
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/568,310D
; FILING DATE: DECEMBER 6, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 7-70468 and 7-45564 (both Japan)
; FILING DATE: 3/6/95 and 3/6/95, respectively
; ATTORNEY/AGENT INFORMATION:
; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316

```

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 19:
; RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92
US-08-568-310D-19
Query Match 34.5%; Score 211.5; DB 2; Length 92;
Best Local Similarity 44.6%; Pred. No. 7.5e-16;
Matches 41; Conservative 25; Mismatches 25; Indels 1; Gaps 1;
QY 5 MSOLENIETITNFHOYSVKLGHPDPLNQGEKELVKKDLQNLKKNKNEKVIHME 64
DB 1 MTKLEHLEGIINIFHOYSVRLGHYDLFLIKRELKQLITKELFNTL-KNTXQDGTIDKIFQ 59
QY 65 LDYNADKQLSFEFIMLMARLTWASHEKME 96
DB 60 DLDADKDGAVSFEFVVLVSRVLTVAHDNIHK 91
RESULT 11
US-09-270-455-19
; Sequence 19, Application US/09270455
; Patent No. 6313267
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT,GERBER,MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; STREET: 6th FLOOR
; CITY: NEW YORK CITY
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 Kb
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/270,455
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/568,310
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear

```

```

; MOLECULE TYPE: cDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 19: FROM 1 TO 92
US-09-270-455-19

Query Match 34.5%; Score 211.5; DB 4; Length 92;
Best Local Similarity 44.6%; Pred. No. 7.5e-16;
Matches 41; Conservative 25; Mismatches 25; Indels 1; Gaps 1;

QY 5 MSOLERNIETIINFHOYSVKLGHPDTLNGQEFKELVRKDLQNLFLKKNKKEKVIHIME 64
Db 1 MKLEHLEGLINIFHOYSVRVGHFDTLNKLKELQTLTKLPKTL-QNTKQOPTIDKIFQ 59

QY 65 LDTNADKQLSFEEFIMLMARLTWASHE 96
Db 60 LLDADKDGAVSFEEFVVLVSRVLTAKTADIDHK 91

RESULT 12
US-09-263-312-3
; Sequence 3, Application US/09263312
; Patent No. 6555340
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Ann Marie
; TITLE OF INVENTION: Extracellular No. 6555340el RAGE Binding Protein (EN-RAGE) and
; TITLE OF INVENTION: Uses thereof
; FILE REFERENCE: 0575/55873-A
; CURRENT APPLICATION NUMBER: US/09/263,312
; CURRENT FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Human
US-09-263-312-3

Query Match 33.7%; Score 206.5; DB 4; Length 90;
Best Local Similarity 44.0%; Pred. No. 2.5e-15;
Matches 40; Conservative 25; Mismatches 25; Indels 1; Gaps 1;

QY 6 SOLERNIETIINFHOYSVKLGHPDTLNGQEFKELVRKDLQNLFLKKNKKEKVIHIME 65
Db 1 TKLEHLEGLINIFHOYSVRVGHFDTLNKLKELQTLTKLPKTL-QNTKQOPTIDKIFQ 59

QY 66 LDTNADKQLSFEEFIMLMARLTWASHE 96
Db 60 LDADKDGAVSFEEFVVLVSRVLTAKTADIDHK 90

RESULT 13
US-09-918-727-5
; Sequence 5, Application US/08918727
; Patent No. 5845528
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN S100 PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/205,680A
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:

```

```

; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/918,727
; FILING DATE: Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0373 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 337730
US-08-918-727-5

Query Match 29.0%; Score 177.5; DB 2; Length 92;
Best Local Similarity 39.8%; Pred. No. 3.7e-12;
Matches 35; Conservative 22; Mismatches 30; Indels 1; Gaps 1;

QY 5 MSOLERNIETIINFHOYSVKLGHPDTLNGQEFKELVRKDLQNLFLKKNKKEKVIHIME 64
Db 1 MSELKANVALIDVFOYSGRGDKHKLKKSELKLNLSHFL-EEIKQEVVDKME 59

QY 65 LDTNADKQLSFEEFIMLMARLTWASHE 92
Db 60 TLDNDGDECDFOEFMAFVAMVTTACHE 87

RESULT 14
US-09-205-680A-5
; Sequence 5, Application US/09205680A
; Patent No. 6103497
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN S100 PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/205,680A
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:

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; NAME: Colette C. Muenzen
; REGISTRATION NUMBER: 39,784
; REFERENCE/DOCKET NUMBER: PE-0373 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-895-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 337730
; US-09-205-680A-5

Query Match 29.0%; Score 177.5; DB 3; Length 92;
Best Local Similarity 39.8%; Pred. No. 3.7e-12;
Matches 35; Conservative 22; Mismatches 30; Indels 1; Gaps 1;

QY 5 MSOLERNITINPHOYSVKLGHPDPLNQGEKELVRKDLQNLKKNKNEKVEIHME 64
DB 1 MSELKAMVALIDVPHQYSGREGDKHKKKSELKELINNELSHPL-EEIKEQEVVDKYME 59
QY 65 DLDTNADKQLSFEFIMLMARLTWASHE 92
DB 60 TLDDGDGDCDFQEFMAFVSNVTTACHE 87

RESULT 15
US-09-051-589-1
; Sequence 1, Application US/09051589
; Patent No. 5990080
; GENERAL INFORMATION:
; APPLICANT: HAGLID, Kenneth G.
; TITLE OF INVENTION: USE OF PROTEIN S-100B IN MEDICINES CONTAINING THE
; FILE OF INVENTION: PROTEIN S-100B
; FILE REFERENCE: 003300-478
; CURRENT APPLICATION NUMBER: US/09/051,589
; CURRENT FILING DATE: 1998-04-15
; EARLIER APPLICATION NUMBER: SE 9503620-8
; EARLIER FILING DATE: 1995-10-17
; EARLIER APPLICATION NUMBER: PCT/SB96/01305
; EARLIER FILING DATE: 1996-10-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Protein S-100b
; US-09-051-589-1

Query Match 28.3%; Score 173.5; DB 2; Length 92;
Best Local Similarity 38.6%; Pred. No. 1e-11;
Matches 34; Conservative 23; Mismatches 30; Indels 1; Gaps 1;

QY 5 MSOLERNITINPHOYSVKLGHPDPLNQGEKELVRKDLQNLKKNKNEKVEIHME 64
DB 1 MSELKAMVALIDVPHQYSGREGDKHKKKSELKELINNELSHPL-EEIKEQEVVDKYME 59
QY 65 DLDTNADKQLSFEFIMLMARLTWASHE 92
DB 60 TLDDGDGDCDFQEFMAFVSNVTTACHE 87

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Search completed: September 16, 2003, 09:33:39
Job time : 16.971 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 16, 2003, 09:30:15 : Search time 19.3188 Seconds
(without alignments)
716.766 Million cell updates/sec

Title: US-09-806-382A-3
Perfect score: 485
Sequence: 1 MLETEKALNSIIDVHYKYS.....LVIRKGVAAHKKSHEESHKE 93

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 556269 seqs, 148893369 residues

Total number of hits satisfying chosen parameters: 556269

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:

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- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	485	100.0	93	15	US-10-134-841-2
2	419	86.4	94	15	US-10-177-293-409
3	320	66.0	89	12	US-10-316-253-46
4	295	60.8	89	15	US-10-134-841-1
5	154	31.8	95	10	US-09-919-172-102
6	154	31.8	95	10	US-09-981-353-98
7	153	31.5	90	10	US-09-826-589-3
8	153	31.5	90	10	US-09-826-589-4
9	153	31.5	90	10	US-09-872-185B-11
10	153	31.5	90	10	US-09-872-185B-12
11	145	29.9	94	15	US-10-097-340-270
12	139	28.7	92	11	US-09-492-026-5
13	139	28.7	92	11	US-09-919-039-184
14	133.5	27.5	114	12	US-10-308-279-32
15	133.5	27.5	114	15	US-10-134-841-4

16	131.5	27.1	113	15	US-10-134-841-3	Sequence 3, Appli
17	130.5	26.9	112	12	US-10-205-219-161	Sequence 161, App
18	130.5	26.9	113	11	US-09-492-026-7	Sequence 7, Appli
19	130	26.8	91	15	US-10-106-698-6907	Sequence 6907, Ap
20	126	26.0	101	9	US-09-393-433-1	Sequence 1, Appli
21	126	26.0	101	9	US-09-781-509-1	Sequence 1, Appli
22	126	26.0	101	14	US-10-067-618-2	Sequence 2, Appli
23	126	26.0	101	14	US-10-135-152-2	Sequence 2, Appli
24	126	26.0	101	15	US-10-269-643-1	Sequence 1, Appli
25	126	26.0	435	14	US-10-000-512-18	Sequence 18, Appli
26	124	25.6	101	9	US-09-393-433-2	Sequence 2, Appli
27	124	25.6	101	9	US-09-781-509-2	Sequence 2, Appli
28	124	25.6	101	15	US-10-269-643-2	Sequence 2, Appli
29	118.5	24.4	97	15	US-10-097-340-274	Sequence 274, App
30	118.5	24.4	97	15	US-10-171-311-206	Sequence 206, App
31	112.5	23.2	97	11	US-09-877-843-28	Sequence 28, Appl
32	112	23.1	105	15	US-10-106-698-4570	Sequence 4570, Ap
33	111	22.9	105	11	US-09-492-026-6	Sequence 6, Appli
34	111	22.9	105	12	US-10-301-822-177	Sequence 177, App
35	111	22.9	105	15	US-10-097-340-272	Sequence 272, App
36	111	22.9	134	9	US-09-925-302-694	Sequence 694, App
37	110	22.7	90	10	US-09-738-973-200	Sequence 200, App
38	110	22.7	90	10	US-09-974-298-20	Sequence 20, Appl
39	110	22.7	90	10	US-09-854-133-200	Sequence 200, App
40	110	22.7	90	15	US-10-097-340-276	Sequence 276, App
41	110	22.7	90	15	US-10-144-649A-200	Sequence 200, App
42	109.5	22.6	101	12	US-10-331-200-1	Sequence 1, Appli
43	109	22.5	84	12	US-09-849-138-34	Sequence 34, Appli
44	105.5	21.8	97	11	US-09-877-843-26	Sequence 26, Appli
45	105.5	21.8	97	11	US-09-877-843-29	Sequence 29, Appli

ALIGNMENTS

RESULT 1

US-10-134-841-2

; Sequence 2, Application US/10134841

; Publication No. US20030003482A1

; GENERAL INFORMATION:

; APPLICANT: HALLE, JORN-PETER

; TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its

; TITLE OF INVENTION: individual components in combination, for treating and/or

; TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing

; TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14

; TITLE OF INVENTION: heterodimers

; FILE REFERENCE: 50125/031002

; CURRENT APPLICATION NUMBER: US/10/134,841

; PRIOR FILING DATE: 2002-04-29

; PRIOR APPLICATION NUMBER: US 60/322,925

; PRIOR FILING DATE: 2001-09-17

; PRIOR APPLICATION NUMBER: DE 10121254.2

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 93

; TYPE: PRT

; ORGANISM: Homo sapien

US-10-134-841-2

Query Match 100.0% Score 485; DB 15; Length 93;

Best Local Similarity 100.0%; Pred. No. 1.3e+49;

Matches 93; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MLETEKALNSIIDVHYKYSILKGNFHAVYRDDLKLLTECPQYIRKKGADYWFVELDI 60

QY 61 NTDGAVNFQEFLLVIRKGVAAHKKSHEESHKE 93

DB 61 NTDGAVNFQEFLLVIRKGVAAHKKSHEESHKE 93

1


```

; ATTORNEY/AGENT INFORMATION:
; NAME: Colette C. Muenzen
; REGISTRATION NUMBER: 39,784
; REFERENCE/DOCKET NUMBER: PF-0373 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 337730
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-492-026-5

Query Match 28.7%; Score 139; DB 11; Length 92;
Best Local Similarity 33.3%; Pred. No. 6.5e-09;
Matches 29; Conservative 24; Mismatches 30; Indels 4; Gaps 1;

QY 2 LTELEKALNSIIDYHKYSLIKGNFHAVYRDDLKILETECPQYI-----RKKGADVWFK 57
Db 1 MSELKAMVALIDVPHQYSGREGDKHKKSELKELINNELSHFLEIKQEYVDKVMET 60

QY 58 LDINTDGVNFQEFLLIVIKMGVAHKSHE 84
Db 61 LDNDGDECDFOEFMAFVAMVTTACHE 87

RESULT 13
US-09-919-039-184
; Sequence 184, Application US/09919039
; Publication No. US20030108871A1
; GENERAL INFORMATION:
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
; FILE REFERENCE: PA-0035 US
; CURRENT APPLICATION NUMBER: US/09/919,039
; CURRENT FILING DATE: 2002-09-09
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 401
; SOFTWARE: PERL Program
; SEQ ID NO 184
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc.feature
; FEATURE:
; OTHER INFORMATION: Incyte ID No. US20030108871A1 2706645CD1
US-09-919-039-184

Query Match 28.7%; Score 139; DB 11; Length 92;
Best Local Similarity 33.3%; Pred. No. 6.5e-09;
Matches 29; Conservative 24; Mismatches 30; Indels 4; Gaps 1;

QY 2 LTELEKALNSIIDYHKYSLIKGNFHAVYRDDLKILETECPQYI-----RKKGADVWFK 57
Db 1 MSELKAMVALIDVPHQYSGREGDKHKKSELKELINNELSHFLEIKQEYVDKVMET 60

QY 58 LDINTDGVNFQEFLLIVIKMGVAHKSHE 84
Db 61 LDNDGDECDFOEFMAFVAMVTTACHE 87

RESULT 14
US-10-308-279-32
; Sequence 32, Application US/10308279
; Publication No. US20030170742A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE DEVELOPM
; FILE REFERENCE: D0190 NP
; CURRENT APPLICATION NUMBER: US/10/308,279
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: 60/337,429
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: Patent version 3.1
; SEQ ID NO 32
; LENGTH: 114
; TYPE: PRT
; ORGANISM: homo sapiens
; US-10-308-279-32

Query Match 27.5%; Score 133.5; DB 12; Length 114;
Best Local Similarity 27.2%; Pred. No. 3.8e-08;
Matches 25; Conservative 33; Mismatches 29; Indels 5; Gaps 1;

QY 2 LTELEKALNSIIDYHKYSLIKGNFHAVYRDDLKILETECPQYIRK-----KGADVWFK 56
Db 5 MSQLEARNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLEKKNKNEKVIETIME 64

QY 57 ELDTNDGAVNFQEFLLIVIKMGVAHKSHE 88
Db 65 DLDTNADKQLSFEETIMLMARLTWASHEKME 96

RESULT 15
US-10-134-841-4
; Sequence 4, Application US/10134841
; Publication No. US2003003482A1
; GENERAL INFORMATION:
; APPLICANT: HALLE, JORN-PETER
; APPLICANT: GOPPELT, ANDREAS
; TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its
; TITLE OF INVENTION: individual components in combination, for treating and/or
; TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing
; TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14
; TITLE OF INVENTION: heterodimers
; FILE REFERENCE: 50125/031002
; CURRENT APPLICATION NUMBER: US/10/134,841
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/322,925
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: DE 10121254.2
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-134-841-4

Query Match 27.5%; Score 133.5; DB 15; Length 114;
Best Local Similarity 27.2%; Pred. No. 3.8e-08;
Matches 25; Conservative 33; Mismatches 29; Indels 5; Gaps 1;

QY 2 LTELEKALNSIIDYHKYSLIKGNFHAVYRDDLKILETECPQYIRK-----KGADVWFK 56
Db 5 MSQLEARNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLEKKNKNEKVIETIME 64

QY 57 ELDTNDGAVNFQEFLLIVIKMGVAHKSHE 88
Db 65 DLDTNADKQLSFEETIMLMARLTWASHEKME 96

Search completed: September 16, 2003, 09:45:33
Job time : 20.3188 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 16, 2003, 09:16:03 : Search time 13.029 Seconds
(without alignments)
302.012 Million cell updates/sec

Title: US-09-806-382A-3
Perfect score: 485
Sequence: 1 MTELEKALNSIIDVIHKYS.....LVIRMGVAHKKSHESKHE 93

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	485	100.0	93	1	US-07-987-272A-16
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4	295	60.8	89	1	US-07-987-272A-14
5	293	60.4	88	1	US-07-987-272A-1
6	247	50.9	76	1	US-07-987-272A-17
7	245	50.5	47	1	US-08-200-016-2
8	240	49.5	46	1	US-08-200-016-3
9	236	48.7	45	1	US-08-056-200-101
10	236	48.7	45	2	US-08-800-644-101
11	213	43.9	41	1	US-08-056-200-108
12	213	43.9	41	2	US-08-800-644-108
13	160	33.0	92	2	US-08-568-310D-19
14	160	33.0	92	4	US-09-270-455-19
15	158	32.6	92	2	US-08-568-310D-20
16	158	32.6	92	4	US-09-270-455-20
17	153	31.5	90	4	US-09-263-312-3
18	151	31.1	91	3	US-08-794-000-2
19	139	28.7	92	2	US-08-918-727-5
20	139	28.7	92	3	US-09-205-680A-5
21	138	28.5	92	2	US-09-051-589-1
22	137	28.2	91	1	US-07-987-272A-11
23	133.5	27.5	114	1	US-08-385-241-3
24	131.5	27.1	109	1	US-07-987-272A-8
25	130.5	26.9	113	2	US-08-918-727-7
26	130.5	26.9	113	3	US-09-205-680A-7
27	127	26.2	38	1	US-07-987-272A-18

28	126	26.0	101	1	US-08-190-560-2	Sequence 2, Appli
29	126	26.0	101	1	US-08-469-277-2	Sequence 2, Appli
30	126	26.0	101	2	US-08-468-946-2	Sequence 2, Appli
31	126	26.0	101	2	US-08-468-942-2	Sequence 12, Appli
32	118.5	24.4	75	1	US-07-987-272A-12	Sequence 2, Appli
33	118.5	24.4	97	1	US-07-662-198B-2	Sequence 6, Appli
34	111	22.9	105	2	US-08-918-727-6	Sequence 6, Appli
35	111	22.9	105	3	US-09-205-680A-6	Sequence 200, App
36	110	22.7	90	4	US-09-370-838-200	Sequence 58, Appl
37	109.5	22.6	101	1	US-08-469-486-58	Sequence 58, Appl
38	109.5	22.6	101	2	US-08-469-658-58	Sequence 10, Appl
39	108	22.3	89	1	US-07-987-272A-10	Sequence 1, Appli
40	105.5	21.8	103	2	US-08-918-727-1	Sequence 1, Appli
41	105.5	21.8	103	3	US-09-205-680A-1	Sequence 65, Appl
42	104.5	21.5	95	4	US-09-399-913-65	Sequence 9, Appli
43	103.5	21.3	95	1	US-07-987-272A-9	Sequence 3, Appli
44	101.5	20.9	98	2	US-08-918-727-3	Sequence 3, Appli
45	101.5	20.9	98	3	US-09-205-680A-3	

ALIGNMENTS

RESULT 1

US-07-987-272A-7
; Sequence 7, Application US/07987272A
; Patent No. 5731166
; GENERAL INFORMATION:
; APPLICANT: Geczy, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/07987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 93 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-987-272A-7

Query Match 100.0%; Score 485; DB 1; Length 93;
Best Local Similarity 100.0%; Fred. No. 1.2e-53;
Matches 93; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MTLEKALNSI	IDVHKYSLIKGNFHAVYEDDLKILLETCPQYIRKKGADVNFELDI	60
Db	1	MTLEKALNSI	IDVHKYSLIKGNFHAVYEDDLKILLETCPQYIRKKGADVNFELDI	60
QY	61	NTDGVNFOEFLIIVIKMGVAAHKKSHEESKE	93	
Db	61	NTDGVNFOEFLIIVIKMGVAAHKKSHEESKE	93	

RESULT 2
US-07-987-272A-16
; Sequence 16, Application US/07987272A
; Patent No. 5731166
; GENERAL INFORMATION:
; APPLICANT: Gecey, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,272A
; FILING DATE: 05-MAR-1993

	Query Match	100.0%;	Score 485;	DB 1;	Length 93;	
	Best Local Similarity	100.0%;	Pred. No. 1.2e-53;			
	Matches 93;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
Qy	1 MTELEKALSIIDVYHKYSLIKGNHAVRYDDKLLETETPCPYIRKKGADVFVKELDI 60					
Dd	1 MTELEKALSIIDVYHKYSLIKGNHAVRYDDKLLETETPCPYIRKKGADVFVKELDI 60					
Qy	61 NTDGVNFQEFLLIVITKMVAHAKKSHEESHKE 93					
Dd	61 NTDGVNFQEFLLIVITKMVAHAKKSHEESHKE 93					

RESULT 3
US-08-385-241-1
; Sequence 1, Application US/08385241
; Patent No. 5776348

GENERAL INFORMATION: Selequant Ph.D., Jeremy D.
APPLICANT: Orme-Johnson Ph.D., William H.
APPLICANT: Dretler M.B., Stephen P.
APPLICANT: Asakura M.D., Hirofaka
TITLE OF INVENTION: SYSTEM AND METHOD FOR INHIBITING
FORMATION OF CRYSTALLINE STRUCTURES THAT INCLUDE STRUVITE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Choate, Hall & Stewart
STREET: 53 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2891
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,241
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Herschbach Ph.D., Brenda M.
REGISTRATION NUMBER: P-39,223
REFERENCE/DOCKET NUMBER: 492611-000 (MIT6915)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-5175
TELEFAX: (617) 248-4000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids

	Query Match	100.0%	Score 485;	DB 1;	Length 93;
	Best Local Similarity	100.0%;	Pred. No. 1.2e-53;		
	Matches 93;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MTELEKALNSIIDVYHKYSLIKGNHAVYRDDLKKLLETETCPQYIRKKGADYVWFKELDI	60		
Db	1	MTELEKALNSIIDVYHKYSLIKGNHAVYRDDLKKLLETETCPQYIRKKGADYVWFKELDI	60		
Qy	61	NTDGVANFQEFLLIVTKMGVAHKKSHEESHKE	93		
Db	61	NTDGVANFQEFLLIVTKMGVAHKKSHEESHKE	93		

```

RESULT 4
US-07-987-272A-14
; Sequence 14, Application US/07987272A
; Patent No. 5731166
;
; GENERAL INFORMATION:
; APPLICANT: Geczy, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:

```

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-987-272A-14

Query Match 60.8%; Score 295; DB 1; Length 89;
Best Local Similarity 58.4%; Pred. No. 8.7e-30;
Matches 52; Conservative 22; Mismatches 15; Indels 0; Gaps 0;

QY 1 MUTEKALNSLIDVYHKYSLKGNPHAVYRDDLKLETECPQYIRKKGADVWKELD1 60
DB 1 MFSEKALNSLIDVYHYSNIQGNHVALYKNDPKVTTCEPQFVNINIEFLRELDI 60

QY 61 NTDGAVNFOEFLILVYKMGVAAHKKSHEE 89
DB 61 NSDNALNFEFLAMVYKGVASHKDSKE 89

RESULT 5
US-07-987-272A-1
; Sequence 1, Application US/07987272A
; Patent No. 5731166
; GENERAL INFORMATION:
; APPLICANT: Gecezy, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991

```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 88 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-987-272A-1

Query Match 60.4%; Score 293; DB 1; Length 88;
Best Local Similarity 58.6%; Pred. No. 1.5e-29;
Matches 51; Conservative 22; Mismatches 14; Indels 0; Gaps 0;

QY 3 TELEKALNSLIDVYHKYSLKGNPHAVYRDDLKLETECPQYIRKKGADVWKELDINT 62
DB 2 SELEKALNSLIDVYHYSNIQGNHVALYKNDPKVTTCEPQFVNINIEFLRELDINS 61

QY 63 DGAVNFOEFLILVYKMGVAAHKKSHEE 89
DB 62 DNAINFEFLAMVYKGVASHKDSKE 88

RESULT 6
US-07-987-272A-17
; Sequence 17, Application US/07987272A
; Patent No. 5731166
; GENERAL INFORMATION:
; APPLICANT: Gecezy, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

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; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-07-387-272a-17

Query Match          50.9%; Score 247; DB 1; Length 76;
Best Local Similarity 57.3%; Pred. No. 7.7e-24;
Matches 43; Conservative 19; Mismatches 13; Indels 0; Gaps 0;

QY 3 TELEKALNSIIDVYHKYSLIKGNFHAVYEDDLKLLTECPQYIRKKGADVWFKELDINT 62
DB 2 SELEKALNSIIDVYHKYSLIKGNFHAVYEDDLKLLTECPQYIRKKGADVWFKELDINT 61

QY 63 DGAVNFQFELIVIK 77
DB 62 DNAINFEELAMVIK 76

RESULT 7
US-08-200-016-2
; Sequence 2, Application US/082000016
; Patent No. 5614397
; GENERAL INFORMATION:
; APPLICANT: Weissman, Irving
; APPLICANT: Lagasse, Eric
; TITLE OF INVENTION: METHOD AND COMPOSITIONS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS IN HEMATOLYMPHOID CELLS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 2200 Sand Hill Road, Suite 100
; CITY: Menlo Park
; STATE: California
; COUNTRY: US
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/200,016
; FILING DATE: 22-FEB-1994
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Rae-Venter, Barbara
; REGISTRATION NUMBER: 32,750
; REFERENCE/DOCKET NUMBER: 06037/003001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 854-5277
; TELEFAX: (415) 854-0875
; INFORMATION FOR SEQ ID NO: 2:
; LENGTH: 47 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-200-016-2

Query Match          50.5%; Score 245; DB 1; Length 47;
Best Local Similarity 100.0%; Pred. No. 7.5e-24;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKKLLETCPOYIR 47
DB 1 MLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKKLLETCPOYIR 47

RESULT 8
US-08-200-016-3
; Sequence 3, Application US/082000016
; Patent No. 5614397
; GENERAL INFORMATION:
; APPLICANT: Weissman, Irving

```

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; APPLICANT: Lagasse, Eric
; TITLE OF INVENTION: METHOD AND COMPOSITIONS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS IN HEMATOLYMPHOID CELLS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 2200 Sand Hill Road, Suite 100
; CITY: Menlo Park
; STATE: California
; COUNTRY: US
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/200,016
; FILING DATE: 22-FEB-1994
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Rae-Venter, Barbara
; REGISTRATION NUMBER: 32,750
; REFERENCE/DOCKET NUMBER: 06037/003001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 854-5277
; TELEFAX: (415) 854-0875
; INFORMATION FOR SEQ ID NO: 3:
; LENGTH: 46 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-200-016-3

Query Match          49.5%; Score 240; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.1e-23;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 KKGADVWFKELDINTDGVNFQFELIVIKMGVAHKKSHESHSKE 93
DB 1 KKGADVWFKELDINTDGVNFQFELIVIKMGVAHKKSHESHSKE 46

RESULT 9
US-08-056-200-101
; Sequence 101, Application US/08056200
; Patent No. 5616500
; GENERAL INFORMATION:
; APPLICANT: Steinert, Peter M.
; APPLICANT: Lee, Seung-Chul
; APPLICANT: Kim, In-Gyu
; APPLICANT: Chung, Soo-Il
; APPLICANT: Park, Sang-Chul
; TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
; TITLE OF INVENTION: Methods of Using Same
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/056,200
; FILING DATE: 30-APR-1993
; CLASSIFICATION: 435

```

ATTORNEY/AGENT INFORMATION:
NAME: Fedrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 101:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-08-056-200-101

Query Match 48.7%; Score 236; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 9.6e-23;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TELEKALNSIIDVYHKYSLKGNFHAVYRDDLKLLTECPQYIR 47
|||||
Db 1 TELEKALNSIIDVYHKYSLKGNFHAVYRDDLKLLTECPQYIR 45

RESULT 10

US-08-800-644-101
Sequence 101, Application US/08000644
Patent No. 5958752

GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.

ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,644
FILING DATE: 14-FEB-1997
CLASSIFICATION: 424

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/056,200
FILING DATE: 30-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fedrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 101:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-08-800-644-101

Query Match 48.7%; Score 236; DB 2; Length 45;
Best Local Similarity 100.0%; Pred. No. 9.6e-23;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TELEKALNSIIDVYHKYSLKGNFHAVYRDDLKLLTECPQYIR 47
|||||
Db 1 TELEKALNSIIDVYHKYSLKGNFHAVYRDDLKLLTECPQYIR 45

RESULT 11

US-08-056-200-108
Sequence 108, Application US/08056200
Patent No. 5616500

GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.

ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,200
FILING DATE: 30-APR-1993
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Fedrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 108:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-08-056-200-108

Query Match 43.9%; Score 213; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 KKGADWVFKELDINTDCAVNFQEFLLIVKMGVAHKKSHE 88
|||||
Db 1 KKGADWVFKELDINTDCAVNFQEFLLIVKMGVAHKKSHE 41

RESULT 12

RESULT 13
US-08-568-310D-19
; Sequence 19, Application US/08568310D
; Patent No. 5976832
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
;

```

RESULT 14
US-09-270-455-19
; Sequence 19, Application US/09270455
; Patent No. 6313267
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; STREET: 6th FLOOR
; CITY: NEW YORK CITY
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE

```


OPERATING SYSTEM: PC-DOS 6.2
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/270,455
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/568,310
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: KLEIN, MILTON
REGISTRATION NUMBER: 27101
REFERENCE/DOCKET NUMBER: 3316
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)953-3350
TELEFAX: (212)953-3352
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 92
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 19: FROM 1 TO 92

US-09-270-455-19

Query Match 33.0%; Score 160; DB 4; Length 92;
Best Local Similarity 35.9%; Pred. No. 8.7e-13;
Matches 33; Conservative 27; Mismatches 28; Indels 4; Gaps 1;
QY 2 LTELKALNSIIDVYHKYSLIKGNFHAVYRDDLLKLETECPQYIR----KKGADVWFKE 57
DB 1 MTKLEHLEGIYNIHQYISVRKGHFDTLNKLKQLITKLPKLTQNTKQPTIDKIQD 60
QY 58 LDINTDGVNFOEFLILVVKMGVAAHKKSHKE 99
DB 61 LDADKGVASFEEFVVLVSRVLTAHDIHKE 92

RESULT 15

US-08-568-310D-20
Sequence 20, Application US/08568310D
Patent No. 5976832
GENERAL INFORMATION:
APPLICANT: HITOMI, JIRO
APPLICANT: YAMAGUCHI, KEN
APPLICANT: YAMAMURA, TOKUJIRO
APPLICANT: KIMURA, TATSUJI
TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: WYATT GERBER, MELLER & O'ROURKE
STREET: 99 PARK AVENUE
STREET: 6th FLOOR
CITY: NEW YORK CITY
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB.
MEDIUM TYPE: STORAGE
COMPUTER: IBM-PC COMPATIBLE
OPERATING SYSTEM: PC-DOS 6.2
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/568,310D
FILING DATE: DECEMBER 6, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 7-70458 and 7-45564 (both Japan)
FILING DATE: 3/6/95 and 3/6/95, respectively
ATTORNEY/AGENT INFORMATION:

NAME: KLEIN, MILTON
REGISTRATION NUMBER: 27101
REFERENCE/DOCKET NUMBER: 3316
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)953-3350
TELEFAX: (212)953-3352
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 92
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 20:
RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92
US-08-568-310D-20
Query Match 32.6%; Score 158; DB 2; Length 92;
Best Local Similarity 38.5%; Pred. No. 1.5e-12;
Matches 37; Conservative 20; Mismatches 31; Indels 8; Gaps 2;
QY 2 LTELKALNSIIDVYHKYSLIKGNFHAVYRDDLLKLETECPQYIR----KKGADVWFKE 57
DB 1 MTKLEHLEGIYNIHQYISVRKGHFDTLNKLKQLITKLPKLTQNTKQPTIDKIQD 60
QY 58 LDINTDGVNFOEFLILVVKMGVAAHKKSHKE 93
DB 61 LDADKGVASFEEFVVLVSRVLTAHDIHKE 92

Search completed: September 16, 2003, 09:33:38
Job time : 14.029 secs